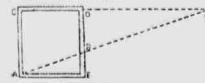
FARM AND GARDEN,

A SELF EMPTYING BUCKET FOR NAR-ROW WELLS.

Information About Ordinar and Contagious Foot Bot-Ventilating Boot for Posttry Houses-Simple Way to Measure Fields or Orchards by Proportion,

simple method, originally illustrated in Southern Cultivator, to measure fields or orchards by proportion.



MESSERGEN A THEFT.

Take a plank on inch more than one or two feet square, planed and smoothed, leaving out-sie say an inch, draw a line exactly, with the best carpener's square obtainable, and the line ince so as to leave the man-liquid avenuel—marking the 1, 1-2, 1, 1, 1-3, 1, 1, 1-2, at a section and posterior the translating the production of the translating the production of the translating to be produced and the first and posterior the translating to be produced and

Stick your stuff firmly in the ground and get your livile plants on it. At one exact corner of your line laive a sense line and a wife with a page sense will five and two page for seclate the length of your price or line. Then such your exact some many farming your rate or instruction to signs the distances in year took marked by the distances in year took marked by the ritle. Then you have a marked by the rule. Then you have a series of right angled triangles, whose like sides are proportional. Any one windinger stands, the "single rule of three" can then measure in a few minutes a field that would take hours with chain and provided purposes. Illustration.

To find distance C to O we have two

smaller triangles, COA and PAE. Sun-pose PR, 3 habes, or 3-32, or 3-36, it does not matter which, so far as the pro-portion is concerned, CD and AE=12.

vimes 12=141; divided by 8-48-CO=48 inches, or fraction, as he case may be. Taking other points by turning your table, that other distances, and snowing these it is very easy to find the area. It is not necessary to stay in one place. Stick a stake at first piace and you can then measure other distance-Any intelligent school boy car make this instrument and measure with sufficient accuracy for ordinary farmin. The more accurate vour ! trument the more accurate the result Of course, by taking a long plank and marking it the more correct you would be, as your sights would be further off and the triangle larger.

Treatment of Fout Est. " Common foot rot is caused by leeny of

the horn or excessive moisture, and in sheep the outer crust of the foot grows so that it turns under the sole and gathers sand and gravel, which wear the softened sole and make the feet sore. In cattle the space between the hoofs is affected in the same way and the soft horn wears and decays. Then the tissues under the horn become inflamed and sore, and suppurate, and this is what is known as ordinary It is easily cured by paring away the dead decayed horn, washing the diseased tissues under it and applying some healing dressing. Loniger recommends for this purpose tincture of benzoin, or the green cintment made of four parts land, one part venice turnenting one part spirits of turpentine and one half part acctate of copper, all well mixed by melting the lard and well stirring.

Contagions and mallguart foot rat oc-curs in sheep and is a consequence of neglected ordinary foot rot. The purulent matter gathers under the horn and burrows in the vascular parts of the foot until it reaches the bones, which become nicerated. A diseased sheep fouls the pasture and the floors of the sheels and other sheep pick up on their feet the virus thus scattered, and so the disease thro authority already referred to, is to pure the feet and remove all loose born; to thoroughly clean the feet, down to health; tissues, from all diseased matter, by solution of one ounce blue vitrol suiphate of copper in a pint of water, and then dust them with air slaked lime. The shee should be put into a clean grass field of with air slaked lime, and the feet snowle be dressed with the copper solution until the purulent discharge cases and ther the purulent discharge ceases and that smeared with pine the and bound up.

Ventilation of Poultry Houses,

The question of ventilation is an important one in the construction of poultry houses, which are too often built withou closed within their boundaries are to be



VENTILATING BOOK

The failure to make arrangements for the escape of viriated air and the introshection of pure air in positry houses to the profitie as one of two-thirds the all ments that attack demestic fewls, dairy rold quarters accounting for the remain The droppings of demestic towts soon give off norious gases, which, it confined so that the fowls liming the polluted air, prevents thrift and oc asions serious

A way often adopted is to make a few holes in one end of the house and let the surgest in and out the best way it can. Occasionally a very slovenly monager will Aveil a southern or western slope for leave a board or two off for the purpose, or, with malice aforethought, build a solution astern one is the tyst.

sine with the boards left a little aport Very latter. They methods, witch in-ter draw, its are were than to vent-on at all, alones, because districts of

was August 28, 29 and 30.

E. Bowman was elected general superof an luch apart. At each end of this chamber, in the gables, flat cross bars, or
flouver heards, as these are termed.

No Association takes for less one.

chamber, in the gables, that cross bars, or following stakes for 1885.

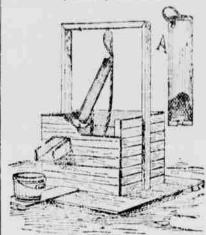
Should be so placed as to exclude the mining or a ventriating trap, such as is for sale as hardware stores, may be put to. Holes bered in both ends will do, but not so well.

The system of ventilation described characteristic current of air through the ventilating changer agreement of air through the ventilating changer agreement of air through the ventilating changer agreement of the villate intraction of the ventilating changer agreement of the ventilation of the properties of the ventilation of the properties of the ventilation of the party is an installments of the ventilation of the properties of the properties of the properties of the properties of the ventilation of the properties of the prop

and even, their overlay it with ushes, a little time graved, etc. This top layer ought to be removed every few days and a fresh | The a one supplied

Bucket for Narrow Wells,

If blockets with a pulley or whellass are used to deep, narrow wells, it is best, country but anknown in others. It was recently illustrated and described as feb



LONG. STLF EMPTYING BUCKET.

It is made of beavy tinned or galvanized sheet iron with a wooden bottom 1 1 2 or 2 inches thick, having a hole through ts center 2 inches in diameter. Over this hole, inside of the bucket, is a valve like those used in worden pumps. To the rap is hinged or rivered a bail. In the trough which is attached to the curb to conduct the water to the pail, is a peg of weed a from 4 or 5 anches long. To empty the bucket set it in the triangle so the peg wa go through the hole in the better thus push open the valve. There will no trouble in pouring out just the amount wanted. A striker is never needed, as the bucket's own weight causes, the water to rush through the valve at the bottom

One Way to Make an East Tester,

A cheap and simple egg tester may be made of a paste's and box and about half a yard of any light weight, duffi black cloth. The box should be seven inches ing by six inches wide and deep. Cut a hole in each end of the box, one hole large enough to fit over the largest part of a common lamp chimner and the other so that it will just fit over the top. Out an-other hole in one side about the shape and a little smaller than the average size of at Line the inside of the box and the ver with the cloth and fasten the cover of the box on tightly, so that no light can reach the inside of the box. Also cover the outside of the box, cutting out three holes in the cloth, drawing the inner an outer I mings together around the edges of that they will not come in contact with the lamp. Light your hemp put the tester over the channey, exclud all light from the reom and you are read Place the eggs against the hole in the sid of the tester and you will find that it w work to your complete satisfaction. Car hould be taken to get the hole in the sid of the tester opposite the fame of the lamp, we is to get the full strength of the Light through the egg.

total Effects of Brainings.

Experiments conducted at the Experi-ment station at Uniontown, Ala., accordng to a bulletin necestly issued show hat the n'again yield of corn on drained weram yind without draining was 21 02 bushers per acre. Draining Therefore caused an increase of 53.4 per cent. There was neither excessive rainfall nor drought luring the season.

Moderate confinement and plen(y of "Your the desired "pound of flesh" on the young tin Mexico.

The Nicimea grape seems to have estab-He had the li as a favorite about the proare wine regions of eastern and southesse-ern. New York. It has proved to be a meritor was nurfeet variety.

The - organ American chestnut is for more defeate, as well as better threared, then may if the foleran varieties.

VERMONT HORSE BREEDERS

The Annual Exhibition to be field at Rut-

land the Last Three Days of August. A meeting of the executive committee of Vermont Association of Resel and Trotting Horse Breeders was held at the Van The promitive trained in the cut is a very supplied on an interview of the property of the pro ont readers can easily minpt it to the bam, J. C. Parker of Quechee, H. S. former.

Town of Montpeller and E. F. Brownell in the roof of the house form a small of Burlington. The committee decided that if the food of the house for a stand chamber by nating half thet borris scross that if the Vermont State Agricultural sother same, about midway between the caves and the apex. The cross boards forming the bottom of the chamber bay in the forming the bottom of the chamber bay in the committee deciments that if the Vermont State Agricultural society half the forming the bottom of the chamber bay.

ments of St. \$0.410 \$15, with 100 ansets.
At which and purses are to be minohests, best sind unless otherwise specified distance barred in all stakes under four year olds. All conventions must be made and the first firsts ment proton or before danc for this second restainment due Jany for the third and that astance at the form declar of the first manner. Statistically, the declar of the first second restainment for the declar of thousand the statistical purpose divided as follows:

All stakes and purpose divided as follows:
The state and purpose divided as follows:
The state of the governed by the treating rules of the National Assessment of Treating those divided in Treating the state of the statistics.

The association offers the following pre-

Matriaed horses 15eg tambs and over, \$50 \$25 \$\$\text{shared \$10}\$, \$\text{Single horse} \$550, \$25, \$15 and \$10. Hrood marcs with cost at fact, \$60 \$25, \$15.

In competition for stakes and premiums in competition for stakes and premiums mix members are eligible. only includes are eligible.

W. H. Biss of Middlebury and E. F.

W. H. Biss of Middlebury and E. F.

Brownell of Burlington were appointed a

committee to arrange a scallion produce

stakes, which the association have decided

juring the great son of Pilot, Jr., by knecking his eye out with a brick. Charile Forth, who was well known as the driver of the pacer Rowdy Boy when that borse was a member of the "Big Four," was arrested in New York not long ago for handling "green goods," which is another name for bogus money, and held for trial.

Isaiah Thomas of Goff-town is giving his noted station Viking, 2 20%, gentle horse-back exercise on the read this winter. Mr. Thomas hopes to cut down the best fel-mont record which is held by Nutwood, 18%, next season.

While in Kentucky recently John R Grabam of Boston heard a western breeder offer \$1,000 for a yearing by Sultan, dam by George Wilkes, second dam by Almont, and third dam by Ericeson. The colt is owned by Mr. Barnes of the Hotel Brunswick, Boston, and the price asked is \$5,000.

Mr. James Hanley, Providence, R. 1, sustained a heavy loss recently in the death of the four year-old gray filly, Moon-light, by Wedgewood, dam Noontide, 2,2014 by Harold; second dam Midnight, dam of Jay-Eye-See, 2 10 by Pilot, jr. He still owns her full brother, Sunlight, who was funded in 1831. was fooled in 1883.

still owns her full brother, Sunlight, who was fooled in 1883.

"Star Lambert," owned by George B. Stearns of Swanton, was fooled June 16, 1885, stands 15 hands and 3 inches high, and weighs 1100 pointos. His pedigree shows the best Morgan blood, and is as follows. He was sired by "Star Ethan," "Star Ethan by "Daubel Lambert," by "Ethan Allen," by "Black Hawk," by "Sherman Morgan," by "Justin Morgan," Dam of "Star Lambert," was sired by "Young Rix," by "Old Rix," by "Black Hawk, by "Soerman Morgan," by "Justin Morgan," The grand dam of "Star Lambert," was sired by "Old Paul," the Dorman horse, the "Dorman horse by "Black Hawk," "Old Paul's dam was called the "Premium Mare," from having testen first premium at a provincial fair held in Montreal. "Star Lambert's great grandeam was sired by "Old Billy Root. Symbor Bisso of Swanton has an own brother of "Star Lambert," the year younger, which is also a very promising colf. counger, which is also a very promising

G. S. Appleton and W. A. Weed have just put logether a very hand ome pair of your g horses which for a gentleman's driving pair it would be difficult to excel.

They are both jet black, stand to hands 3 inches high and can true together in three minutes or less. One is sired by Rich-mond and the other by Wintoski.

ANTI-BILIOUS

GEORGE FERWICK, JR. | County Court

George Ferwick, JR...)

George Ferwick, April Teim, 1885.
Whereas George Ferwick, Jr., of Colchester in the County of Chittenden, in the State Vermont, has this day flied in the office of the Clork of said Court, his petition for a divorce against Esams Ferwick, setting forth ingstitutes and court, his petition for a divorce against Esams Ferwick, setting forth ingstitutes and this man, that he and the said potitionee lived together as bresband and wife until on or about October 1st, 1880, and has fainfully performed all the marriage obligations incumbent upon him; that on or about the late day of October, 1880, the said lettionee without just fisher cause willfully descreted him, which descrition still continues and praying that the bonds of matrimory between him and the said Emma may be dissolved, and that he may be granted a bill of divorce. Add it is appearing that the said Emma is without this State, and that no summons can be served on her.

It is ordered, that the petitioner notify the petitionee of the County Court, to be cholden as fluring ton, within and for the County of Chittenden, on the first Tuesday of April, 1885, on the first day in the Builtington, in said County, the last published three weeks successively in the Builtington, in said County, the last published three weeks previous to the commencement of said terminations and this order to be published three weeks successively in the Builtington, in said County, the last published in to be at least six weeks previous to the commencement of said terminations and this order to be published three weeks successively in the Builtington, in said County, the last published three weeks successively in the Builtington, in said County this Said day of January, 1888.

H. F. WOLCOTT, Attorney.

Biggins and the county of Said termination of good at 1596; Chicago that on, choice, 2656; Chicke heavy Brighton mutton, 795c; Eastern mutton, 567cs Farmington, in said County this Said with population to good at 1596; Chicago that on, choice, 2650; Chicago that on

A Professional Training is Reeded are -1N--

The Subjects to be Taught. The Science of Mind, The Method of Teaching.

RANDOLPH KORMAL SCHOOL. The Next Term will begin February 7, 1888.

Such Training may be secured in the

Send for a circular. EDWARD CONANT, Principal. Randolph, Vt.

367,d2taw&w

MARKET REPORTS.

New York Proteste Startest.

NEW YORK, Jun. 21

minites or less. Ohe is sired by Rich model and the other by Winooski. Messis, Uiton Bros, are doing a larger whote fundees than ever in their training stations at Morrischile. Another inge is proposed to be one of the large than the full and is filled with horses, among them many line blooded unlimals. Beside the care and training of horses for speed, they are doing a largely increased business in buying and putting into good condition thorses for general driving purposes.

The chestnut weamling coil Lord Setland, by Foxnail, out of Esa, by Uncas, is said to be one of the finest-looking young sters in England.

Doctor Coffman, a well known Work will be breeder, has two mares by Harry Wilkes, record 2:13%, who is the fastest horse blat has a representative in the 230 list. The mares are nown Kentucky, and will be bred to Goldsmith Maid's son, General Washington.

A Dangerous Society Unearthed.

Victoria, B. C., Jan. 25—The arrest of a Chimaman namee' Lam Hip for attempting to murder J. E. Gardiner, custom house officer, led to the discovery of a dangerous Chimase secret society, with thouse officer, led to the discovery of a dangerous Chimase secret society, with thouse officer, led to the discovery of a dangerous Chimase secret society, with thouse officer, led to the discovery of a dangerous Chimase secret society, with house officer, led to the discovery of a dangerous Chimase secret society, with thouse officer, led to the discovery of a dangerous Chimase secret society, with thouse officer, led to the discovery of a dangerous Chimase secret society, with thouse officer, led to the discovery of a dangerous Chimase secret society, with thouse of the proposed day of the control of the society of the discovery of a dangerous Chimase secret society, with thouse of the control of the society of the discovery of a dangerous Chimase secret society, with thouse of the control of the society of the discovery of the

A Terrolle Tragery to Connecticut.

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Unicago Produce Market.

THE GREAT ENGLISH REMEDY

For Laver, Due, Indigestion, sie, Free from Mercory, contains only Fire Vegetable Ingredients
Agent: C. N. CRITTLINTON, New York.

A mathid a Wide cler's Estate.

STATE OF VERMONT, F. The Romania Desemble of Chiefschien.

To the being and all persons interested in the estate of Amania Wheeler, late of Milton, in soul district, december.

Greening, Greening, Greening, Wheeler, St. Late of Milton, in soul district, december.

Greening, Greening, Wheeler, St. Late of Milton, Applications.

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Flour.	280000	(24 (A0)
Wheat	13 22 TOO	16:000
Corn		YH, DOWN
Corn Oats	136,500	F6,000
Ryon	5,030	24,000
Rye	180 (R)	1043000

risk, \$9.50g io.

POTATOES—Houlton rose, per bushel, sig. \$3.0 90c; Houlton Hebrons, \$1.0 50c; Aroustook rose, \$5.0 90c; Aroustook rose, \$5.0 90c; Aroustook rose, \$5.0 90c; Aroustook Hebrons, \$3.0 85c.; Vermont rose, i5c.; New York rose, 75c; New York and Vermont Hurbanks 80g85c; Northern hebrons, fac: Northern peerless, \$0g85c; prouffes, 8cc. Tech.

LAMBS AND MUTTONS—are in good demand. We quite fancy lambs at lossifies; with common to good at 700; Chicago mutton, choice, 7025; choice heavy Brighton mutton, 7025; Eastern mutton, 8274e fer choice, with poor to good at 7005; waits are in light supply. Eastern, good to choice, haloes some fancy, 116,12e; poor to good, 5266.

APPLES are quiet but very firm and fancy Baidwins sommand \$275621 00. Other kinds range from \$1,5962.50 00 barrel. Algher prices are quoted to Liverpool but shipments are are light. Deaed apples are quiet and steady. HOPS—Choice 1887. New York at 12515c. New York emmon to good, \$216c; choice 1887. Eastern, \$2616c, 1887. common to good at 5667c; old tots, nominal at 2555.

Watertown Union Live Stock Markets. WATERTOWN, Jan, 24.

Cattle Market-The market is quoted

Cattle Market Free More Services quality, where the extra, a 50076 55; first quality, a 00036 55; second quanty, 50025 56; thred quality, \$4 0054 56.
Cattle Store Cattle Working exch. per pair, \$900.148. Farrow cows \$15230. Family cows \$00275. Mich cows and catve. \$2524. Yearings \$5 00558. Two-years old, \$10255. Three, \$200.556. Three, \$20,055.
Swine—Receipts of 7361.
Swine—Northern dressed bogs, 7@714c @ D. ton.

Western far, live exect to be, Sheep and bemos - to serpts or 144, Sheep and Lamos - to lobe at \$100,430, excess at \$7.55 - 90.

Veg. Carres at 2560045.

Vermont Produce Markety

ST. ALBANOGJAN, EL No change is to be noted in burner, winner unde tringing from 25 to 22 and 25 ments with an occasional flor dairy a little higher. Eagy Blooms for shipment, but a higher price was

Revesso, Jan. 21 Butter in large quantities was brought in and the demand for it in small packages and in "prints" was good. Chickens were picuty; but turloys were problemly not to be lad. There was no proceptione change in prices over last week, except in the case of eggs

which feil off about one point. Following are the quotations; Apples, per barrel, \$1.75 to \$2.25; polatoes. per bushe, 70075; turnips, per bushel, 50c; squash per pound 1039; butter, per pound, small packages, 21326; buster, per pound, in tubs, 20025; fowls, mive, 1820; chickens. dressed, looks cents; ones per dozen, 23521; purs, per pair, \$4 .\$5; ducks, dressed, 12635; Recse, diesed, Bodh; turkeys, per pound, 12 1915; noney, per pound, 12 3/15; maple syrup, per guillon, 55:55; beef by the side, per pound.

MET. parentps, 75; carrots, 60. WATEHBURY Jun. 20.

Butter on Monday by the 100 is to 22 cents print, fair D conts: Ser-pound boxes, ted5 conts; cars, D conts; per dozen; b hind quarter, 7 well a time quarters 2 conts five house, 04 monts, decased, decambe; nar, per s \$10 per top chickons, later at ponts per placed notifies, 65 for 5 wome per founding chees fromory 40 monts of any, 910 hing cont

Quotainos to-day weep ast-llaws; Butte 18 to Macenta por pered; aggs Strends pe dozon; turkeya, if it its sents por posas Chargens at 10 to 12 container points 1 - 1. A to a container posses; 5 to 50 cents

The Local Sturker.

BUILDINGTON, Jan. 20, 1844 The quantities for bury products, fruit vegetables, meat and fish this week are a

DAINY PRODUCES.

DARRY PROBLETS.

Butter is 25 to 25 cours a pound, Cheese 1-14 to liscents a pound. Sagrenhese is recent a pound. Eages, are 30 cents a dofou. Famey oneses are as follows: Pineapple cheeses 65 cts. to -1.25 eagel according to size: Roquefort cheese 40 cts. a pound : English duby 25 cents: Eshon \$1.10 each Neufoliatel o cents a posing; Cheila cheese, \$1 a piece Duich cheese 10 cents a pound. Milk 5 cents is quart. Pure Jessey cream 40 cents a quart.

Small some sets, etc. at 2001, 300-24, 25 to 100 miles of the control of control of the control

St. Look flour \$5,25 to \$5,75 a barrel.
Michgan, \$5,00 to \$5,50. Spring patents
and Minnesota patents, are \$6,00 a
barrel. Buckwheat is 4 cents a pound.
Maple syrup \$1 to \$1,10 a gailon. Grandlated snaar is 5 cents a pound.
Light brown, 6 to 6.5 cents. Maple sugar is 5 to 12 cents a
pound. New white clover honey is 15
to 18 cents a pound. Nats, all kinds assorted, 20 cents a pound. Pop cora 5 cents
a pound. New cater jelly in five pound
buckets 40 cents. Apple jelly 50 cents for
5-pound pails. Raspherry lam 75 to 96
cents for 5-pound pails. Boiled cater ap
ple sauce \$1 per gallon.

Burlington Wholesale Produce Market

Bundanov, Jan 20. Butter and cheese remain the same Beef, both Vermont and Western, is about the same. Grain is advancing in price There is no special change in other prices

Quotations are as follow=:

Quotations are as follower:

Partitions:—Buffer: 2 of the line of the many cheese, it case; pointed as the large segments of the lar

And School of Shorthand and Typewriting

is established in its New Residing, COLLEGE PLACE, SI Stami S. North Pena St. on less structure devoted to business edited on I America. Experiment is superior challenger of the Compression, Storthand typewriting, Practice Challes, that, and special Penamenthic Systematics, with gymnistic druis, when desired Venium men and women prepared for business. Many assisted to positions. New catalogue and specimens of penamensian tree. Address CARNELL & CARRER, About, N. Y.

WANTED-A good girt for general bouse work, Address 20 College St., Burling 31,wit